

Artemis Module

WRL-15484

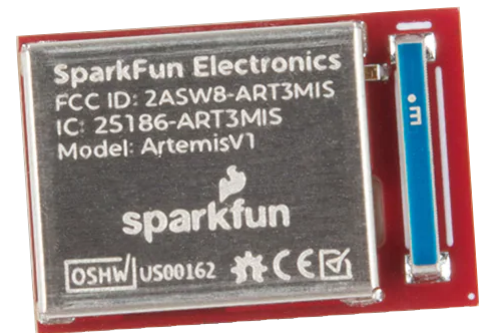
Product Overview

12-22-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun WRL-15484 Artemis Bluetooth Module is a low power machine learning Cortex-M4F with BLE 5.0 running up to 96MHz and with 5mW power. This Bluetooth module includes 10 ADC channels with 14-bit precision with up to 2.67 million samples per second effective continuous and multi-slot sampling rate. The WRL-15484 Artemis module consists of two UARTs, six I²C buses, and six SPI buses. This Bluetooth module runs at 48MHz with a 96MHz turbo mode.



The WRL-15484 Artemis module is fully certified by FCC/IC/CE and has 48 all interrupt capable GPIOs and a secure smart card interface. This module can be easily implemented into any design using low-cost 2-layer PCBs and 8mil trace/space.

Features

- 1M Flash / 384k RAM
- 48MHz / 96MHz turbo available
- 6uA/MHz (operates less than 5mW at full operation)
- 48 GPIO - all interrupt capable
- 31 PWM channels
- Built in BLE radio and antenna
- 10 ADC channels with 14-bit precision:
 - Up to 2.67 million samples per second effective continuous, multi-slot sampling rate
- 2 channel differential ADC
- 2 UARTs
- 6 I²C buses
- 6 SPI buses
- 2/4/8-bit SPI bus
- PDM interface
- I²S Interface
- Secure 'Smart Card' interface
- FCC/IC/CE certified (ID Number 2ASW8-ART3MIS)
- 10mm x 15mm dimensions

Mouser Part Number

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To learn more, visit

<https://www.mouser.com/new/sparkfun/sparkfun-wrl-15484-artemis-bluetooth-module/>